#### **ASSIGNMENT 6**

Textbook Assignment: "Ship Availabilities, Repair Activities, and Ship Trials," chapter 9, all, and "Occupational Health," chapter 10, all.

- 6-1. When a ship is undergoing shipyard repairs and is still able to perform its mission, it is in what type of availability'?
  - 1. Restricted
  - 2. Technical
  - 3. Regular overhaul
  - 4. Regular IMA
  - A. Voyage repair
  - B. Regular IMA
  - C. Emergency IMA
  - D. Concurrent
  - E. Repairs
  - F. Alterations equivalent to repairs
  - G. Alterations

Figure 6A

IN ANSWERING QUESTIONS 6-2 THROUGH 6-8, SELECT FROM FIGURE 6A THE TYPE OF REPAIR OR AVAILABILITY DESCRIBED IN THE QUESTION.

- 6-2. Restores a ship or article to serviceable condition without a change in design, materials, number, location, and relationship of the parts.
  - 1. B
  - 2. C
  - 3. D
  - 4. E
  - 6-3. Used for general repairs and authorized alterations that are not emergencies.
    - 1. A
    - 2. B
    - 3. C
    - 4. D

- 6-4. Parts require repair or replacement to improve reliability, and the unit will be strengthened, provided there are no other changes in design.
  - 1. D
  - 2. E
  - 3. F
  - 4. G
- 6-5. Generally takes priority at the fleet IMA to repair specific casualties.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 6-6. Involves changes to strengthen bulkheads or change deck arrangements to provide space for machinery.
  - 1. D
  - 2. E
  - 3. F
  - 4. G
- 6-7. Used for ship-to-shop work by a shore IMA, tender, or repair ship and usually takes place just before a regular shipyard or restricted availability.
  - 1. D
  - 2 E
  - 3. F
  - 4. G
- 6-8. Emergency repairs while underway that affect the ship's mission and can be done without changing the ship's operating schedule.
  - 1. A
  - 2. B
  - 3. C
  - 4. D

- 6-9. Improvement in the safety of personnel and equipment and/or reliability, ease of maintenance, and efficiency of equipment are accomplished in what type of SHIPALT?
  - 1. Class "D" alteration
  - 2. Military alteration
  - 3. Technical alteration
  - 4. Type "K" alteration
- 6-10. Contracts for the repair or overhaul of naval ships at private shipyards, and contracts for civilian work to be done in IMAs, SIMAs, and SRFS are placed and administered by what office?
  - 1. Inspector General
  - 2. COMNAVSUPSYS
  - 3. Maintenance Material Manager
  - 4. Supervisor of Shipbuilding
- 6-11. Ship's forces can handle their own repair work most effectively through which of the following practices?
  - 1. Be sure the ship is adequately supplied with repair parts, tools, and test equipment
  - 2. Conduct regular tests, inspections and cleaning operations to detect possible weaknesses
  - 3. Ensure proper repair procedures are followed
  - 4. Update the CSMP at regular intervals

Questions 6-12 through 6-24 refer to **Output** IMAs.

- 6-12. SIMAs were developed from which of the following activities?
  - 1. FMAGs and ARDLs
  - 2. DATCS and FMAGs
  - 3. DATC and ARMS
  - 4. Tenders and repair ships

- 6-13. The upkeep, operation, and maintenance of repair department equipment and the training, direction, and coordination of its personnel are the responsibility of what officer?
  - 1. The material officer
  - 2. The training officer
  - 3. The repair officer
  - 4. The executive officer
- 6-14. When requesting an IMA availability, the CO must provide what information to the appropriate TYCOM?
  - 1. JSNS and priority
  - 2. JSNS and a listing of the TYCOM master job catalog work number
  - 3. JSNS and present status of repair
  - 4. Nameplate data and description of repairs needed
  - A. Assistant repair officer
  - B. Division officer
  - C. Diving and salvage officer
  - D. Gas free engineer
  - E. Enlisted personnel

Figure 6B

IN ANSWERING QUESTIONS 6-15 THROUGH 6-19, SELECT FROM FIGURE 6B THE PERSON(S) WHO HAS\HAVE THE RESPONSIBILITY DESCRIBED IN THE QUESTION.

- 6-15. Has the administrative and production responsibility for work done in the shops under his supervision.
  - 1. A
  - 2. B
  - 3. C
  - 4. D

- 6-16. Determines whether there is danger to personnel or equipment from noxious or explosive gases during any operation aboard ship or during work on ships alongside.
  - 1. B
  - 2. C
  - 3. D
  - 4. E
- 6-17. Supervises all diving operations and ensures compliance with diving instructions and precautions.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 6-18. Provides technical skills and performs maintenance required aboard IMAs.
  - 1. B
  - 2. C
  - 3. D
  - 4. E
- 6-19. Usually handles the internal administration of the department and specifically keeps progress records on all work.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 6-20. Which of the following shops makes hull repairs and tests pad eyes and structures with a dynometer?
  - 1. Shipfitter shop
  - 2. Inside machine shop
  - 3. Weld shop
  - 4. Sheet metal shop
- 6-21. The inside/outside machine shops and foundry shop are a part of what repair division?
  - 1. Machinery
  - 2. Electrical
  - 3. Engineering
  - 4. Hull

- 6-22. Logistic support including drydock overhaul, repair, alterations, and conversion of naval ships are provided by what SRI' department?
  - 1. Planning and Estimating
  - 2. Administration and Control
  - 3. Production
  - 4. Repair
- 6-23. An SRF service squadron assigns work to be done on a ship based on which of the following criteria?
  - 1. Time requirements
  - 2. Type of availability
  - 3. Funds allotted by the TYCOM
  - 4. Planning priority
- 6-24. Which of the following personnel receive copies of all work requests and tracks and coordinates work done in the shops?
  - 1. Division officers
  - 2. Ship superintendents
  - 3. Repair superintendents
  - 4. Shop supervisors

Question 6-25 through 6-29 refer to naval shipyards.

- 6-25. Design services and up-to-date files of working drawings, records, and data is the responsibility of what type of shipyard?
  - 1. Naval
  - 2. Home
  - 3. Planning
  - 4. SRF
- 6-26. When, if ever, does the planning department issue supplemental work requests?
  - 1. When requested by shop personnel
  - 2. At the pre-arrival conference
  - 3. When unforeseen work is needed
  - 4. Never

- 6-27. The naval shipyard transportation, power plant, and maintenance shops are usually assigned to which of the following departments?
  - 1. Production
  - 2. Planning
  - 3. Procurement
  - 4. Public works
- 6-28. The ship superintendent holds a departure conference for what purpose?
  - 1. To verify that all jobs were completed
  - 2. To set budget requirements for other ships of the same class
  - 3. To verify the status of all authorized work and work that should be done during the ship's next availability
  - 4. To be sure the ship is ready for overseas deployment
- 6-29. The TYCOM and shipyard planning department receive a priority list of SHIPALTS to be completed and a funding grant to cover the cost of the work how many days before a scheduled alteration?
  - 1. 60 days
  - 2. 120 days
  - 3. 160 days
  - 4. 180 days

Questions 6-30 through 6-35 refer to SUPSHIP.

- 6-30. Priorities for work requests originating on the ship are set by which of the following officers?
  - 1. CO and engineer officer
  - 2. CO, XO, and department heads
  - 3. CO and XO only
  - 4. Engineer officer and department heads

- A. Administrative
- B. Planning
- C. Quality Assurance
- D. Contracts
- E. Material

Figure 6C

IN ANSWERING QUESTIONS 6-31 THROUGH 6-35, SELECT FROM FIGURE 6C THE SUPSHIP DEPARTMENT DESCRIBED IN THE QUESTION

- 6-31. Serves naval and civilian personnel matters, industrial and public relations, security and office matters.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 6-32. Oversees inspection, final testing, trials, and deliveries of work under contract to ensure compliance with approved drawings, contract specifications, and completion date.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 6-33. Arranges availabilities and receives and distributes work requests and authorization for alterations.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 6-34. Controls delivery and disposition of GSM, administers property, prepares and maintains allowance lists, conducts pre-award surveys, and administers facilities contracts.
  - 1. B
  - 2. C
  - 3. D
  - 4. E

- 6-35. Awards and administers all master ship repair (MSR) contracts and job orders for repair and overhaul.
  - 1. B
  - 2. C
  - 3. D
  - 4. E
- 6-36. The interval between regular overhauls depends on which of the following conditions?
  - 1. The size and complexity of the ship
  - 2. The last overhaul completed
  - 3. The need for an overhaul
  - 4. The assigned mission
- 6-37. Plans progress from a rough stage to a definite schedule of work to be done and the time, materials, personnel, facilities, and funds to complete an overhaul in what type of ship planning?
  - 1. Navywide
  - 2. Individual
  - 3. Training
  - 4. Advanced
- 6-38. Painting and hull inspections are usually done during which of the following scheduled times?
  - 1. Regular overhaul
  - 2. Emergency upkeep
  - 3. Regular availabilities
  - 4. Emergency availability
- 6-39. Dock and sea trials normally are carried out after which of the following events?
  - 1. Minor refits
  - 2. A major hull inspection
  - .3. Most major repairs or alterations
  - 4. Drydocking

- 6-40. What is the purpose of an inclining experiment?
  - 1. To test ship characteristics
  - 2. To validate stores capacity
  - 3. To determine if the center of gravity has changed
  - 4. To determine whether further equipment modifications or upgrades can be made
- 6-41. The departure report furnishes all information after an overhaul EXCEPT which of the following?
  - 1. Work scheduled
  - 2. Work completed
  - 3. Actual cost
  - 4. Trials completed
- 6-42. When work or alterations have NOT been accomplished during the contract period, requests for additional work are submitted to NAVSEA or INSURV by what person?
  - 1. The shipyard commander
  - 2. The SUPSHIP
  - 3. The TYCOM
  - 4. The CO
    - A. Builder's trial
    - B. Dock trial
    - C. Sea trial
    - D. Acceptance trial
    - E. Economy trial
    - F. Final contract trial
    - G. Standardization trial
    - H. Tactical trial
    - I. Noise trial
    - J. Vibration trial

Figure 6D

IN ANSWERING QUESTIONS 6-43 THROUGH 6-51, SELECT FROM FIGURE 6D THE SHIP TRIAL DESCRIBED IN THE QUESTION

- 6-43. Shows that the ship was constructed or converted according to contract specifications.
  - 1. A
  - 2. D
  - 3. E
  - 4. H

6-44.	Conducted just before acceptance trials and shows that the ship will meet the contract requirements.
	1. A 2. B 3. C 4. D
6-45.	Normally conducted by INSURV about

- 6-45. Normally conducted by INSURV about 6 months after the acceptance trial.
  - 1. D
  - 2. E
  - 3. F
  - 4. G
- 6-46. Shows that the ship is seaworthy and that all equipment and machinery are ready for the acceptance trial.
  - 1. B
  - 2. C
  - 3. D
  - 4. E
- 6-47. Shows the SUPSHIP and the prospective engineer officer that the ship is ready for sea trials.
  - 1. A
  - **2**. B
  - 3. C
  - 4. D
- 6-48. Consists of operational procedures to determine characteristics on the handling of the ship.
  - 1. D
  - 2. F
  - 3. G
  - 4. H
- 6-49. Determines the ship's speed, shaft rpm, propeller thrust, and shaft horsepower characteristics.
  - 1. D
  - 3. G
  - 4. H

- 6-50. Determines airborne, radiated, structural, and overside audible characteristics of a ship.
  - 1. D
  - 2. G
  - 3. I
  - 4. J
- 6-51. Determines propulsion system vibration.
  - 1. G
  - 2. H
  - 3. I
  - 4. J

Questions 6-52 through 6-75 refer to \*Occupational Health," chapter 10.

- 6-52. Acute danger to health caused by exposure to asbestos normally occurs after what period of time?
  - 1. Hours
  - 2. Days
  - 3. Months
  - 4. Years
- 6-53. Your crew is about to do necessary repairs on shipboard insulation and your ship has NOT been properly tested for airborne asbestos. You should make which of the following decisions?
  - 1. Defer the work until the ship can be tested
  - 2. Rotate personnel to reduce danger
  - 3. Defer the work until the next overhaul
  - 4. Complete the work using the required protective measures
- 6-54. What is the most dependable way to confirm that asbestos has been installed on the ship?
  - 1. The age of the ship
  - 2. Polarizing light
  - 3. The manufacturer's markings
  - 4. Visual inspection

- 6-55. Asbestos waste must be stored for disposal in what type of sealed container as a minimum?
  - 1. Impermeable metal containers
  - 2. Plastic containers
  - 3. Plastic bags
  - 4. Impermeable double bags
- 6-56. A large, open container of asbestos insulation scraps has been stored in a space to await packaging for disposal, but exposure probably is less than the PEL. You should place warning labels on the containers with which of the following warnings as a minimum?
  - 1. "Danger" only
  - 2. "Cancer and lung disease hazard" only
  - "Danger, contains asbestos fibers. Avoid creating dust. Cancer and lung disease hazard" only
  - 4. "Danger, contains asbestos fibers. Cancer and lung disease hazard. Respirators and protective clothing required"
- 6-57. Personnel working on insulation in an area where exposure to airborne fibers probably exceeds the PEL should wear which of the following protective gear as a minimum?
  - 1. Protective clothing only
  - 2. A half-mask respirator only
  - 3. Protective clothing and goggles
  - 4. Protective clothing and a full-face respirator
- 6-58. Your crew has completed emergency repairs on insulation, cleaned the area, and you have done a visual inspection. What officer, if any, also must inspect the area before it may be used again?
  - 1. The safety officer
  - 2. The gas-free engineer
  - 3. The engineer officer
  - 4. None

- 6-59. What noise protective measure is a last resort in the event others are not effective enough?
  - 1. Hearing protective devices
  - 2. Administrative controls
  - 3. Engineering controls
  - 4. Warning signs
- 6-60. Baseline measurements of noise throughout a ship normally are taken at what intervals of time?
  - 1. 12 months
  - 2. 18 months
  - 3. 24 months
  - 4. 30 months
- 6-61. All personnel will be given what type of hearing test when they enter the Navy?
  - 1. Preliminary
  - 2. Comprehensive
  - 3. Baseline
  - 4. Diagnostic
- 6-62. You should wear double hearing protection when the noise level in your area exceeds what maximum decibel level?
  - 1. 62 dB
  - 2. 104 dB
  - 3. 116 dB
  - 4. 128 dB
- 6-63. Personnel who work continuously in noise hazardous areas will be given hearing tests at least how often?
  - 1. Every year
  - 2. Every 2 years
  - 3. Every 6 months
  - 4. Every month
- 6-64. Heat stress surveys are used to determine what information about a given area?
  - 1. The safe limits of human exposure to heat
  - 2. The amount of heat
  - 3. The changes in temperature over a period of time
  - 4. The number of persons who suffer from heat stress

- 6-65. A person who has worked in a heat stress area for a stay time of 3 hours should have at least how many hours of recovery time?
  - 1. 4
  - 2. 6
  - 3. 8
  - 4. 12
- 6-66. Emergency eyewash facilities should be a minimum of how many feet from each eye hazard area?
  - 1. 25
  - 2. 50
  - 3. 100
  - 4. 150
  - A. Particulate air-purifying respirator
  - B. Gas and vapor air-purifying respirator
  - C. Hose mask respirator
  - D. Air-line respirator

Figure 6E

IN ANSWERING QUESTIONS 6-67 THROUGH 6-71, SELECT FROM FIGURE 6E THE TYPES OF RESPIRATORS DESCRIBED IN THE QUESTION.

- 6-67. Removes contaminates by filtering or absorbing them.
  - 1. A and B
  - 2. B and C
  - 3. C and D
  - 4. D only
- 6-68. Known as "atmosphere supplying" respirators.
  - 1. A and B
  - 2. A and C
  - 3. B and D
  - 4. C and D
- 6-69. Removes solid or liquid particles from the air supply.
  - 1. A
  - 2. B
  - 3. C
  - 4. D

- 6-70, Use cartridges and canisters to remove contaminates through absorption.
  - 1. A
  - 2. B
  - 3. C
  - 4. D
- 6-71. NOT approved for protection against carbon monoxide.
  - 1. A and B
  - 2. A and C
  - 3. A and D
  - 4. B and D
- 6-72. Flammable liquids that are used frequently should be stored in which of the following locations?
  - 1. Liquid storerooms
  - 2. Ready service storerooms
  - 3 Issue rooms
  - 4. Flammable liquid cabinets
- 6-73. What bulletin contains information on each type of HM and must be read by anyone working with HM or HW?
  - 1. HMTID
  - 2. HMTIS
  - 3. MSDS
  - 4. SHML
- 6-74. You must have an MSDS and a manufacturer's label before you can accept HM that comes from what source?
  - 1. Another ship
  - 2. The Navy supply system
  - 3. Open purchase
  - 4. Another department
- 6-75. A strip ship bill describes the procedures used to remove HM from the ship for what event?
  - 1. Overhaul
  - 2. Decommissioning
  - 3. Battle
  - 4. HM/HW inventory

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